```
!!NA_SEQUENCE 1.0
ID   AAD06454 standard; cDNA; 890 BP.
XX
AC   AAD06454;
XX
DT   10-AUG-2001  (first entry)
XX
DE   Arabidopsis thaliana transcription factor G545 cDNA.
XX
KW   Transcription factor; environmental stress tolerance; gene therapy;
KW   plant structure; plant development; ss.
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OS   Arabidopsis thaliana.
XX
FH   Key             Location/Qualifiers
FT   CDS             55. .738
FT                   /*tag=  a
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XX
PN   WO200136598-A1.
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PD   25-MAY-2001.
XX
PF   14-NOV-2000; 2000WO-US031458.
XX
PR   17-NOV-1999;   99US-0166228P.
PR   17-APR-2000; 2000US-0197899P.
PR   22-AUG-2000; 2000US-0227439P.
XX
PA   (MEND-) MENDEL BIOTECHNOLOGY INC.
PA   (PINE/) PINEDA O.
PA   (YUGG/) YU G.
PA   (CREE/) CREELMAN R.
PA   (RIEC/) RIECHMANN J L.
PA   (HEAR/) HEARD J.
PA   (RATC/) RATCLIFFE O.
PA   (REUB/) REUBER L.
PA   (KEDD/) KEDDIE J.
XX
PI   Pineda O,  Yu G,  Creelman R,  Riechmann JL,  Heard J,  Ratcliffe O;
PI   Reuber L,  Keddie J;
XX
DR   WPI; 2001-336000/35.
DR   P-PSDB; AAE02474.
XX
PT   Nucleic acids encoding plant transcription factor polypeptides, useful
PT   for altering the environmental stress tolerance characteristics of
PT   plants.
XX
PS   Claim 4; Page 77-78; 116pp; English.
XX
CC   The present sequence is a cDNA encoding Arabidopsis thaliana
CC   transcription factor. This novel transcription factor is useful for
CC   modifying a plant's phenotype in desirable ways, such as modifying a
CC   plants environmental stress. The transcription factor is encoded by
CC   environmental stress tolerance gene derived from Arabidopsis thaliana.
CC   The transcription factors and the genes encoding them are used to alter
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Accession Number

CC the structure and developmental characteristics of plants such as
CC soybean, wheat, corn, potato, cotton, rice, oilseed rape, sunflower,
CC alfalfa, sugarcane, turf, banana, blackberry, blueberry, strawberry,
CC raspberry, cantaloupe, carrot, cauliflower, coffee, onion, cucumber,
CC eggplant, grapes, honey dew, lettuce, mango, melon, papaya, peas,
CC peppers, pineapple, spinach, squash, sweet corn, tobacco, tomato,
CC watermelon, rosaceous fruits and/or vegetable brassicas. These sequences
CC are also used for modifying traits associated with environmental stress
CC tolerance, such as freezing, chilling, heat, drought, water saturation,
CC salt, photoconditions, radiation and ozone. The transcription factors are
CC used in gene therapy
XX
SQ Sequence 890 BP; 239 A; 235 C; 186 G; 230 T; 0 U; 0 Other;

AAD06454 Length: 890 November 20, 2007 12:27 Type: N Check: 7278 ..

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     251  ACCGTCAGCC TCCTCCTCCT CCGGCGGTGG AGAAGTTGAG CTACAAGTGT

     301  AGCGTCTGCG ACAAGACGTT CTCTTCTTAC CAAGCTCTCG GTGGTCACAA

     351  GGCAAGCCAC CGTAAGAACT TATCACAGAC TCTCTCCGGC GGAGGAGATG

     401  ATCATTCAAC CTCGTCGGCG ACAACCACAT CCGCCGTGAC TACTGGAAGT

     451  GGGAAATCAC ACGTTTGCAC CATCTGTAAC AAGTCTTTTC CTTCCGGTCA

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     551  ACACTAGTAG CGTGTCCAAC TCCGAAGGTG CGGGGTCCAC TAGCCACGTT

     601  AGCAGTAGCC ACCGTGGGTT TGACCTCAAC ATCCCTCCGA TCCCTGAATT

     651  CTCGATGGTC AACGGAGACG ACGAAGTCAT GAGCCCTATG CCGGCGAAGA

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